

STEREO MOC Status Report  
Time Period: 2014:153 - 2014:159

STEREO Ahead (STA) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 154, during the DSS-15 support, turbo decoder lock was lost intermittently between 1648z and 1649z due to elevation encoder glitches at the station. This anomaly resulted in the loss of 827 frames of SSR data. See DR #G115078 for more information.
- On day 156, during the DSS-45 support no real-time telemetry, commanding, or monitor data were available for the 4.1 hour duration of the track due to the JPL core router going down. All SSR data was later received. See DR #N109589 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 154, the 68th momentum dump was executed successfully at 1730z, which imparted a delta V of 0.0871 m/sec.
- On day 156, the G&C parameters, version 1.3.0, release was loaded to EEPROM in preparations for solar conjunction testing.
- On day 158, a LGA calibration test was executed successfully at 1450z through 1920z during the DSS-14 support to characterize the performance of both LGA antennas in preparations for solar conjunction. The test rotated the AHEAD observatory about the S/C sun line at 5 degrees/minute for two revolutions, one for each LGA, using the emergency data rates. RF performance is being analyzed.
- The average daily SSR playback volume for Ahead was 4.4 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 155, during the DSS-45 support, real-time telemetry, commanding, and monitor data were made available 54 minutes late due to the JPL core router going down. All SSR data was later received. See DR #N109577 for more information.
- On day 157, during the DSS-14 support, acquisition of signal was 38 minutes late due to an elevation servo at the station. This anomaly resulted in the loss of 1392 frames of SSR data. See DR #G115089 more information.
- On day 158, during the DSS-26 support, the transmitter tripped off-line at 1900z due to a microwave interlock anomaly. This anomaly resulted in the loss of 1932 frames of SSR data. As all commanding objectives had been met, the remainder of the track was telemetry only. See DR #G115094 more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 154, the 63<sup>rd</sup> momentum dump was executed successfully at 2300z, which imparted a delta V of 0.0655 m/sec.
- On day 158, the SECCHI instrument reset at 15:00:16z. The SECCHI team reconfigured the instrument to operational mode at 1649z. This was the 22<sup>nd</sup> reset of SECCHI on the Behind spacecraft.
- The average daily SSR playback volume for Behind was 4.1 Gbits during this week.